## AMENDMENTS TO THE CLAIMS

**This listing of claims will replace all prior versions and listings of claims in the application:**

## LISTING OF CLAIMS:

1.      (currently amended):   A method for detecting a format of closed caption data contained in a broadcast signal automatically and displaying the closed caption data, the method comprising:

(a) receiving information including the closed caption data extracted from the broadcast signal;

(b) detecting information on the format of the closed caption data from the received information including the closed caption data and determining the format of the closed caption data; and

(c) decoding the closed caption data according to the determined format of the closed caption data and displaying the closed caption data to a user,

wherein the format of the closed caption data in (b) or (c) includes one of a format defined by an EIA-608 closed caption standard or a format defined by an EIA-708 closed caption standard, and wherein when the format of the closed caption data detected in (b) is determined as the format defined by the EIA-608 closed caption standard and closed caption data having the format defined by the EIA-708 closed caption standard is received while the closed caption data received in (a) according to the EIA-608 closed caption standard in (c) is displayed to the user, the closed caption data is automatically decoded according to the EIA-708 closed caption standard and displayed to the user.

2.      (canceled).

3.      (original):      The method of claim 1, wherein (b) comprises:

(b1) extracting a header portion of the closed caption data from the received

information including the closed caption data; and

(b2) detecting the information on the format of the closed caption data from the

extracted header portion and determining the format of the closed caption data.

4.      (original):      The method of claim 3, wherein the format of the closed caption

data in (b2) includes one of a format defined by an EIA-608 closed caption standard and a format

defined by an EIA-708 closed caption standard.

5-6.      (canceled).

7.      (original):      The method of claim 3, wherein (b1) comprises sensing a

predetermined pattern value corresponding to the header portion and sensing a starting part of the

header portion.

8.      (original):      The method of claim 4, wherein when the format of the closed

caption data detected in (b) is determined as the format defined by the EIA-608 closed caption

standard and closed caption data having the format defined by the EIA-708 closed caption

standard is received while the closed caption data received in (a) according to the EIA-608

closed caption standard in (c) is displayed to the user, the closed caption data is automatically

decoded according to the EIA-708 closed caption standard and displayed to the user.

9.      (original):      The method of claim 4, wherein when the format of the closed

caption data detected in (b) is determined as the format defined by the EIA-708 closed caption

standard and closed caption data having the format defined by the EIA-608 closed caption

standard is received while the closed caption data received in (a) according to the EIA-708

closed caption standard in (c) is displayed to the user, the closed caption data is automatically

decoded according to the EIA-608 closed caption standard and displayed to the user.

10.     (currently amended):  An apparatus for detecting a format of closed caption data

contained in a broadcast signal automatically and displaying the closed caption data, the

apparatus comprising:

a receiving unit, which receives information including the closed caption data extracted

from the broadcast signal;

a header extraction unit, which extracts a header portion of the closed caption data from

the information including the closed caption data received by the receiving unit;

a caption format detection unit, which detects information on the format of the closed

caption data from the header portion extracted from the header extraction unit;

a caption formation determination unit, which determines the format of the received

closed caption data from the information detected by the caption format detection unit; and

a caption decoder, which decodes the closed caption data according to the format of the

closed caption data determined by the caption format determination unit and displays the closed

caption data to a user,

wherein the format of the closed caption data includes one of a format defined by an EIA-

608 closed caption standard and a format defined by an EIA-708 closed caption standard, and

wherein when the closed caption data contained in the broadcast signal, received while the

caption decoder decodes the closed caption data received according to the format of the EIA-608

closed caption standard, according to the format determined by the caption format determination

unit and displays the closed caption data to the user, is determined by the caption format

determination unit as closed caption data having the format defined by the EIA-708 closed

caption standard, the caption decoder decodes the closed caption data according to the EIA-708

closed caption standard automatically and displays the closed caption data to the user.

11.      (currently amended):  The apparatus of claim 10, wherein extracting the header

portion the format of the closed caption data is performed by sensing a predetermined pattern

value corresponding to the header portion and sensing a starting part of the header

portionincludes one of a format defined by an EIA-608 closed caption standard and a format

defined by an EIA-708 closed caption standard.

12.      (canceled).

13.      (currently amended):  An apparatus for detecting a format of The apparatus of

claim 11, wherein when the closed caption data contained in a the broadcast signal automatically

and displaying the closed caption data, the apparatus comprising: ~~received while the caption~~

~~decoder decodes the closed caption data received according to the format of the EIA-708 closed~~

~~caption standard according to the format determined by the caption format determination unit~~

~~and displays the closed caption data to the user, is determined by the caption format~~

~~determination unit as closed caption data having the format defined by the EIA-608 closed~~

~~caption standard, the caption decoder decodes the closed caption data according to the EIA-608~~

~~closed caption standard automatically and displays the closed caption data to the user~~

a receiving unit, which receives information including the closed caption data extracted

from the broadcast signal;

a header extraction unit, which extracts a header portion of the closed caption data from

the information including the closed caption data received by the receiving unit;

a caption format detection unit, which detects information on the format of the closed

caption data from the header portion extracted from the header extraction unit;

a caption formation determination unit, which determines the format of the received

closed caption data from the information detected by the caption format detection unit; and

a caption decoder, which decodes the closed caption data according to the format of the

closed caption data determined by the caption format determination unit and displays the closed

caption data to a user,

wherein the format of the closed caption data includes one of a format defined by an EIA-

608 closed caption standard and a format defined by an EIA-708 closed caption standard, and

wherein when the closed caption data contained in the broadcast signal received while the

caption decoder decodes the closed caption data received according to the format of the EIA-708

closed caption standard according to the format determined by the caption format determination

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unit and displays the closed caption data to the user, is determined by the caption format

determination unit as closed caption data having the format defined by the EIA-608 closed

caption standard, the caption decoder decodes the closed caption data according to the EIA-608

closed caption standard automatically and displays the closed caption data to the user.


14.    (currently amended):  The apparatus of claim ~~10~~13, wherein extracting the header

portion of the closed caption data is performed by sensing a predetermined pattern value

corresponding to the header portion and sensing a starting part of the header portion.


15.    (currently amended):  A method ~~A computer readable recording medium on~~

~~which a program for executing a method~~ for detecting a format of closed caption data contained

in a broadcast signal automatically and displaying the closed caption data, ~~in a computer is~~

~~recorded, wherein~~ the method ~~comprises~~comprising:

(a) receiving information including the closed caption data extracted from the broadcast

signal;

(b) detecting information on the format of the closed caption data from the received

information including ~~extracting a header portion of~~ the closed caption data and determining the

format of ~~from the received information including~~ the closed caption data; and

(c) ~~detecting information on the format of the closed caption data from the extracted~~

~~header portion and determining the format of the closed caption data; and~~ decoding the closed

caption data according to the determined format of the closed caption data and displaying the

closed caption data to a user,

wherein the format of the closed caption data in (b) or (c) includes one of a format defined by an EIA-608 closed caption standard or a format defined by an EIA-708 closed caption standard, and wherein when the format of the closed caption data detected in (b) is determined as the format defined by the EIA-708 closed caption standard and closed caption data having the format defined by the EIA-608 closed caption standard is received while the closed caption data received in (a) according to the EIA-708 closed caption standard in (c) is displayed to the user, the closed caption data is automatically decoded according to the EIA-608 closed caption standard and displayed to the user.

~~(d) decoding the closed caption data according to the determined format of the closed caption data and displaying the closed caption data to a user.~~

16.    (new):  The method of claim 15, wherein (b) comprises:

(b1) extracting a header portion of the closed caption data from the received information including the closed caption data; and

(b2) detecting the information on the format of the closed caption data from the extracted header portion and determining the format of the closed caption data.

17.    (new):  The method of claim 16, wherein the format of the closed caption data in (b2) includes one of a format defined by an EIA-608 closed caption standard and a format defined by an EIA-708 closed caption standard.

18.    (new):  The method of claim 16, wherein (b1) comprises sensing a predetermined

pattern value corresponding to the header portion and sensing a starting part of the header

portion.


19.    (new):  The method of claim 17, wherein when the format of the closed caption

data detected in (b) is determined as the format defined by the EIA-608 closed caption standard

and closed caption data having the format defined by the EIA-708 closed caption standard is

received while the closed caption data received in (a) according to the EIA-608 closed caption

standard in (c) is displayed to the user, the closed caption data is automatically decoded

according to the EIA-708 closed caption standard and displayed to the user.


20.    (new):  The method of claim 17, wherein when the format of the closed caption

data detected in (b) is determined as the format defined by the EIA-708 closed caption standard

and closed caption data having the format defined by the EIA-608 closed caption standard is

received while the closed caption data received in (a) according to the EIA-708 closed caption

standard in (c) is displayed to the user, the closed caption data is automatically decoded

according to the EIA-608 closed caption standard and displayed to the user.